

<b>TRANSMITTAL SLIP</b>		
31 Dec (Date)		
TO: FCD		
BUILDING	ROOM NO.	
REMARKS:  PSS might be interested, also, unless he happened to see it in the front office		
FROM: <i>MC</i>		
BUILDING	ROOM NO.	EXTENSION

STATINTL



29 December 1952

Professor J. Allen Hynek  
Graduate School  
The Ohio State University  
Columbus 10, Ohio

Dear Professor Hynek:

Thank you very much indeed for your letter of 23 December confirming the astronomical calculations transmitted earlier by telephone. We are in agreement with your findings and appreciate your assistance in this matter.

It was a pleasure to renew our acquaintance at Dayton and to learn of your consultant work. I hope that we shall see you again in the not too distant future.

With best wishes for the coming year,

Cordially yours,

STATINTL



H. Marshall Chadwell

ILLEGIB



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STATINTL

THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, *President*

COLUMBUS 10

GRADUATE SCHOOL  
OFFICE OF THE DEAN

December 23, 1952

STATINTL

Dr. H. M. Chadwell

Dear Dr. Chadwell:

In pursuance of our telephone conversation of the other day, and in accordance with your request, I am confirming in writing the results I transmitted to you over the phone.

It is well known that in theodolite observations, elevations can be generally obtained more accurately than the azimuths since the former depend only on accurate leveling but the latter depend upon a determination of the true north. Since most theodolite observers are interested in relative rates and not in absolute positions, it is no surprise that they do not pay too much attention to the exact determination of their zero points. Further, it is quite easy for even an observer of some experience to make an error in reading of some multiple of whole degrees. The observation made at Limestone, therefore, can very well be assumed to have both a zero point error and an incorrect scale reading.

① At the mean time of observation, calculations made at the observatory here show that Jupiter had, at Presque Isle, an azimuth of  $163^{\circ}$  and an elevation of  $58.5^{\circ}$ . This alone is sufficiently close to the mean of the readings from two stations to serve as strong evidence that the object observed was Jupiter. However, the clinching argument comes when one compares Jupiter's rate of motion in elevation and azimuth during the observation and the rates noted on the theodolite, at Presque Isle. The computed increment in elevation was 0.2 degrees (as compared to the observed 0.3 degrees) and the corresponding increment in azimuth was 1.8 degrees (as against the observed 1.9 degrees). In view of this strikingly close agreement in rates as well as general position in the sky, it would be an outrage to probability theory to consider that the object observed was anything other than the time-honored planet Jupiter. The prosecution rests its case!

Wishing you the very best greetings of the season, I remain,

Sincerely yours,

*J. Allen Hynek*

J. Allen Hynek  
Assistant Dean and  
Professor of Astronomy

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**Approved For Release 2001/04/02 : CIA-RDP81R00560R000100020002-8**

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While there is no indication that these objects represent a direct threat to the national defense, there are certain potential dangers which are related to these sightings. These are:

1. The difficulty and delay in positive identification which could weaken the early warning system in alerting defense in the event of commencement of hostilities.\*
2. The possibility of mass hysteria which might be purposely induced by an enemy at a critical time by faked reports.
3. The possibility that the emergency communications systems to command headquarters might be seriously overloaded at a critical time by such reports.

It is believed that the problems of communications confusion and overload and the serious effects of mass hysteria must be dealt with outside the intelligence community, and it is planned to bring these matters to the attention of those agencies with whom the prime responsibility appears to rest. With respect to mass hysteria, it is believed this problem would lie with the Federal Civil Defense Administration and/or the Interdepartmental Committee on Internal Security. Accordingly, it is planned to bring this to the attention of the FCDA and ICIS through established channels. With respect to emergency communications overloading, it is believed that each of the individual Military Services should examine this problem. Accordingly, we intend to introduce the subject at a meeting of the Joint Communications and Electronics Committee.

*\* According to Brig. Gen. A.R. Maxwell (RDB) ADC is "cognizant of this potential danger," and does "express concern"*